

Task Order 3: One Year - Liquid Waste Program Operations

In accordance with the Master IDIQ Contract Section H.50 Task Ordering Procedure, paragraph (c), the following constitutes the RTP for the One Year - Liquid Waste Program Operations Task Order. The requirements for the Contractor's Task Order proposal are set forth in paragraph (f) of the H.50 clause and additional forthcoming proposal preparation instructions for a cost and fee proposal. The response time for submitting the Task Order Proposal is [TBD].

(This Task Order is for information purposes only. A formal Request for Task Order Proposal for this Scope of Work will be issued to the SRS IMCC Contractor during Transition)

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Section B - Supplies or Services and Prices/Costs

This Task Order work shall be performed under Contract Line Item Number (CLIN) 00001 of the Savannah River Site Integrated Mission Completion Contract (herein referred to as the Master IDIQ Contract). Section B of the Master IDIQ Contract is incorporated by reference. The requisite clause information specific to this Task Order included below is consistent with the clause numbering structure established by the Master IDIQ Contract.

B.1 DOE-B-2012 Supplies/Services Being Procured/Delivery Requirements (OCT 2014)

The Contractor shall furnish all personnel, facilities, equipment, material, supplies, and services (except as may be expressly set forth in this Task Order as furnished by the Government) and otherwise do all things necessary for, or incident to, the performance of work as described in Section C, Performance Work Statement (PWS) under this Task Order.

B.2 Type of Contract

(a) DOE-B-2002 Cost-Plus-Award-Fee Task Order: Total Estimated Cost and Award Fee (Oct 2014) (Revised)

- (1) This is a Cost-Plus-Award-Fee type Task Order. The total estimated cost and award fee are as follows (Table B-1):

Table B-1. Estimated Total Price

Total Estimated Cost	[TBD upon final negotiation]
Award Fee:	[TBD upon final negotiation]
Total Estimated Price:	[Total Estimated Cost + Fee]

The Contractor's Task Order proposal is subject to audit in accordance with DEAR 915.404-2-70. Therefore, this Task Order is subject to reopening, pending resolution of internal and external audit(s) of the Contractor's proposal. At the time of Task Order issuance, an external audit(s) of the Contractor's proposal may have not been completed. Therefore, the parties agree that the negotiated price is subject to adjustment based on the results of subsequent audit report(s) and resolution of audit findings. The Contracting Officer may make a unilateral adjustment to the Task Order price and modify the Task Order accordingly. Failure to agree with such adjustments shall be resolved in accordance with the Disputes clause of this contract. However, nothing in this clause shall allow the Contractor to not proceed with performance of the Task Order.

- (2) The Total Estimated Cost and Fee of the Task Order, and/or the Total Estimated Cost and Fee of the Contract Line Items, is as follows (Table B-2):

Table B-2. Task Order CLIN Structure

CLIN	CLIN Title	CLIN Type	Estimated Cost	Fee	Total Estimated Price
00001	One Year Liquid Waste Program Operations	CPAF	[TBD upon final negotiation]	[TBD upon final negotiation]	[Total Estimated Cost + Fee]
CLIN = Contract Line Item Number			CPAF= Cost Plus Award Fee		

- (3) Payment of fee will be made in accordance with [insert instructions for fee payment or title of applicable clause addressing payment].

- (4) CLIN Description:

CLIN 00001 – One Year Liquid Waste Program Operations:

This CLIN includes the total estimated cost and award fee associated with performing the work identified within the Task Order PWS.

B.4 DOE-B-2013 Obligation of Funds (TBD)

- (a) Pursuant to the Clause of this Contract in FAR 52.232-22, *Limitation of Funds*, total funds in the amount(s) specified below are obligated for the payment of allowable costs and fee. It is estimated that this amount is sufficient to cover performance through the date(s) shown below.

TBD at Task Order award.

Section C - Performance Work Statement

Section C.2, Liquid Waste Stabilization/Disposition of the Master IDIQ contract, is incorporated by reference. The Contractor shall perform, but is not limited to, accomplishment of the following specific work during the first 12 months of the contract period of performance:

- a) Operate Tank Farms and Effluent Treatment Facility (ETF) to support Sludge and Salt Processing including:
 - Complete Sludge Batch 10 washing and Qualification Report and declare readiness for feed to DWPF.
 - Complete treating Sludge Batch 9 (depleted).
 - Continue Sludge Batch 11 compilation and Low Temperature Aluminum Dissolution.
 - Continue salt batch preparation to support SWPF @ 7.2 Mgal/yr.
 - Maintain liquid tank waste system operational to receive and process 300,000 gallons H-Canyon waste.

- b) Continue and/or initiate Waste Removal for Salt Tanks (2, 3, 9, 10, 11, 27, 28, 29, 31, 41, 44, 46, 47) and Sludge Tanks (14, 15, 26, 33, 34, 35, 36, 39) needed to supply feed to DWPF, TCCR and SWPF.
- c) Complete Tank 10 and Tank Heel removal design.
- d) Continue Tank 15 Annulus cleaning design and modifications if required.
- e) Complete operational closure activities of F-Tank Farm, ancillary structures specifically Diversion Boxes 5 and 6 in F-Tank Farm to meet FFA milestone of complete operational closure by 12/30/2022.
- f) Continue Tank 9 Tank Closure Cesium Removal (TCCR) operation. The Contractor shall also identify an off-site disposal facility for the TCCR filter media and any other contaminated equipment/material not suitable for disposal at SRS. The Contractor shall collect the necessary data from the TCCR operation with Tank 9 waste and evaluate the feasibility and cost effectiveness of installing and operating a TCCR unit on other waste tanks. Based on this determination, a decision will be made to proceed with the procurement of a second TCCR unit and plan for the operation of at least two TCCR units as supplemental salt processing to accelerate completion of the Liquid Waste mission.
- g) Proceed with the procurement of a second TCCR unit if decision is made (schedule for November 2021) and plan for the operation of at least two TCCR units as supplemental salt processing to accelerate completion of the Liquid Waste mission.
- h) Operate Defense Waste Processing Facility (DWPF) under glycolic acid flowsheet, the Saltstone Production Facility (SPF), and the Saltstone Disposal Facility (SDF) in a manner that supports the SWPF planned salt waste processing rate in the second year of operation.
- i) Continue to perform GWSB #1 canister double stacking activities and increase the number of available double stack canister spaces by 300 additional spaces.
- j) Operate the Salt Waste Processing Facility in a manner that maximizes waste processing throughput to achieve 7.2 Mgal operating rate maintaining close integration with the rest of the LW system.
- k) Implement the Next Generation Solvent (NGS) into SWPF by the end of the 2nd year of hot operations to ensure compliance with minimum salt waste processing requirements.
- l) Complete DWPF, Saltstone and Tank Farm modifications and Interfaces required for planned SWPF Operations.

DWPF:

- Processing of cesium SE in the Slurry Mix Evaporator (SME)
- Management of the high activity waste streams to be received from SWPF
- Critical Spares in inventory
- Complete Melter #5 design and continue long lead procurements

Saltstone:

- Complete implementation of 4th operating shift if necessary to enable 24/7 operation as required to support SWPF operation at rate of 9 Mgal/yr.

Tank Farm:

- Continue East Hill Utilities Upgrades to remove temporary modifications and continue work on transfer systems, processing tanks ventilation and critical spare parts to support SWPF planned operations.
- m) Continue progress with construction of SDU 8/9, and initiate site preparation design of SDU 10-12.
- n) Continue activities to provide additional storage for failed melters in DWPF.
- o) Resume technology development activities to determine a path forward for the treatment and disposition of Tank 48H waste with the intention of implementing a treatment method and completing treatment operations within the contract period of performance. Tank 48H, located in the H-Tank Farm, is a 1.3 million gallon Type III compliant high-level waste tank. It currently holds approximately 250,000 gallons of radioactive liquid waste material from the operation of the In-Tank Precipitation process. The tank contains approximately 26,000 kg of organic tetraphenylborate compounds. The organic material is incompatible with other waste treatment facilities at SRS; consequently, the tank is isolated from the other tanks in H-Tank Farm. Tank 48H is located in close proximity to DWPF sludge preparation/qualification tank (Tank 51H), the Saltstone Production Facility feed tank (Tank 50H), and the SWPF feed tank (Tank 49H). As such, its return to service could greatly enhance the ability to prepare salt or sludge feed batches. DOE and its contractors have considered a number of technologies and operational approaches to the recovery of Tank 48H. Those technologies have historically been cost prohibitive and have not developed beyond the design and laboratory scale testing phase.
- p) Continue design and procurement activities of selected DWPF recycle diversion alternative.

Section C.4, Maintenance Mockup Facility (Bldg. 717-F), is incorporated by reference.

Section C.5, Core Functions: Program Support/Services r~~Requirements~~ is incorporated by reference.

Section C.6, Environment, Safety, Health, & Quality, is incorporated by reference.

Section C.7, Personal Property Management, is incorporated by reference.

Section C.8, Information Management, is incorporated by reference.

Section C.9, Records, is incorporated by reference.

Section C.10, Contractor Assurance System, is incorporated by reference.

Section C.11, Safeguards, Security and Emergency Services, is incorporated by reference. The Contractor shall continue Cyber Security initiatives driven by U.S. Department of Homeland Security Binding Directives and Continuous Diagnostics and Mitigation program.

Section C.12, External Affairs, is incorporated by reference.

Section C.13, Savannah River Site Interface Management, is incorporated by reference.

Section C.14, Internal Audit Business Performance Requirements, is incorporated by reference.

~~Section C.15, Usage Based Services to Be Provided to Other Site Contractors, is incorporated by reference.~~

Section D - Packaging and Marking

Section D of the Master IDIQ Contract is incorporated by reference.

Section E - Inspection and Acceptance

Section E of the Master IDIQ Contract is incorporated by reference.

Section F - Deliveries or Performance

Section F of the Master IDIQ Contract is incorporated by reference. The requisite clause information specific to this Task Order included below is consistent with the clause numbering structure established by the Master IDIQ Contract.

F.3 Period of Performance

(a) The overall Task Order period of performance shall be one year from the Task Order Issue date.

Section G - Contract Administration Data

Section G of the Master IDIQ Contract is incorporated by reference.

Section H - Special Contract Requirements

Section H of the Master IDIQ Contract is incorporated by reference.

Section I - Contract Clauses

Section I of the Master IDIQ Contract is incorporated by reference, except for the following Section I clause, which is filled-in as follows in Table I-1.

Table I-1. Section I Clause Fill-Ins

Clause No.	FAR/DEAR Reference	Title	Fill-In Information; See FAR 52.104(d)
I.45	FAR 52.217-8	Option to Extend Services	Any time prior to the expiration of the Task Order
DEAR = Department of Energy Acquisition Regulation FAR = Federal Acquisition Regulation			

Section J - List of Documents, Exhibits, and Other Attachments

Section J of the Master IDIQ Contract is incorporated by reference, as applicable to this Task Order.

Attachment J-5 - Master Small Business Subcontracting Plan

Solicitation Note: The Contractor's executed Master Small Business Subcontracting Plan for this Task Order will be inserted here. See applicable I Clause entitled, FAR 52.219-9, Small Business Subcontracting Plan, and applicable Section H Clause entitled, Subcontracted Work.

Attachment J-7 - Contract Deliverables

The following list of End States Cleanup Deliverables is required for this Task Order.

Task Order 3 – End States Cleanup Work Deliverables

Deliverable Number	Deliverable	DOE		Deliverable Due Date	Task Order Section
		Action	Response Time		
TO3-0001	CD-2/3 Package for SDU 10-12	Approval	60 DAYS	TBD	C.2 k
TO3-0002	Quarterly FY22 Salt Agreement Force Majeure Report	Review for submittal to SCDHEC	14 DAYS	TBD	C.2 a
TO3-0003	Plan for TCCR Unit 2 processing rates or STCA option that is technically feasible and/or economically efficient with roughly the same value and benefit to the Liquid Waste program	Review for submittal to SCDHEC	30 DAYS	TBD	C.2 g
TO3-0004	FFA modification with the comprehensive plan and schedule to complete negotiations of HLW tank closures	Review for submittal to EPA/SCDHEC	30 DAYS	TBD	C.2 e
TO3-0005	Explanation of Significant Difference or Interim Record of Decision for Demonstration of Ancillary Structure Closure (FDB5 and 6)	Review for submittal to EPA/SCDHEC	30 DAYS	TBD	C.2 e
TO3-0006	1QFY23 Salt Agreement Force Majeure Report (pending incomplete processing of 36.75M gal. of salt waste processed)	Review for submittal to SCDHEC	14 DAYS	TBD	C.2
TO3-0007	FY 22 Annual Salt Agreement Force Majeure Report to indicate 36.75	Review for submittal to SCDHEC	14 DAYS	TBD	C.2

Task Order 3 – End States Cleanup Work Deliverables

Deliverable Number	Deliverable	DOE		Deliverable Due Date	Task Order Section
		Action	Response Time		
	million gallons of salt waste processed				
TO3-0008	DWPF Recycle Diversion DSA	Approve	60 DAYS	TBD	C.2 n
TO3-0009	TCCR 2 DSA	Approve	60 DAYS	TBD	C.2 g